Recombinant Rat Pdk1 Protein, His-tagged

Cat. No. Pdk1-1932R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Pdk1 Protein (Val172-Pro399) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Val172-Pro399
Description	Enables ATP binding activity; identical protein binding activity; and protein kinase activity. Involved in cell surface receptor signaling pathway and peptidyl-serine phosphorylation. Part of pyruvate dehydrogenase complex. Orthologous to human PDK1 (pyruvate dehydrogenase kinase 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.6 kDa Accurate Molecular Mass: 30 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for

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	48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Pdk1 pyruvate dehydrogenase kinase, isozyme 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Pdk1
Synonyms	PDK1; pyruvate dehydrogenase kinase, isozyme 1; PDK p48; pyruvate dehydrogenase kinase 1; pyruvate dehydrogenase kinase, isoenzyme 1; [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 1, mitochondrial; MGC108625;
Gene ID	116551
mRNA Refseq	NM_053826
Protein Refseq	NP_446278
UniProt ID	Q5FVT5

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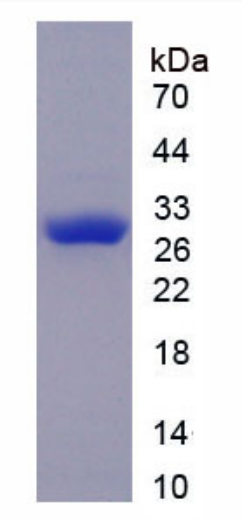

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